Page 1

Wednesday, August 31, 2011 3:08:34 PM

Item ID:

D3278-2

Accept



Setup Start

Stop



Revision ID:

Item Name: **Start Date:** Support

8/31/2011

Start Qty: 40.00 Req'd Qty: 40.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tool#

Run

Start

Stop



Required Date: 9/16/2011

Date:

SPC (Y/N):

Date:

Sequence ID/ **Work Center ID** Operation **Description** Set Up/ **Run Hours** Tool ID

Plan Code

Accept Qty

Reject **Qty**

Reject Number

Insp. Stamp

Draw Nbr

Rev C D3278

100

Jeaspa Bandsaw

SHEAR

Revision Nbr

Memo

Cut blank: 2.00" x 1.00" x 2.550" long

0.00

0.00

and 11/09/27

40 0

Bandsaw

110

HAAS 1

0.00

HAAS CNC VERTICAL MACHINING #1

Memo

QC2- Inspect parts off machine FAI/FAIB

0.00

ml 11/09/20 40 y

HAAS CNC vertical machine #1

1- Machine as per Folio FA405 and Dwg D3278 - Deburr and

Tumble ☐ Identify as D3278-2

120

0.00

0.00

and 11/09/36

40 9

Quality Control

Memo

Dart Aerospace I

W/O:			WC	RK ORDER CHAN	IGES					
DATE	STEP	PRO	OCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	·									
Part No: PAR #		PAR #:	Fault Cate	gory:	NCR	: Yes N	o DQ	\ :	_ Date: _	
Resolution:		Disposition: Q			N/C Clo	sed:		Date: _		
NCR:			WORK ORDI	ER NON-CONFORI	MANCE	(NCR)				
DATE	STEP	Description of NC		Corrective Action Section B			Sign & Verification			Approval
DAIL	O.L.	Section A	Initial Chief Eng	Action Descriptio Chief Eng	n	Date	Section	on C	Chief Eng	QC Inspector
									İ	

Work Order ID 73413

Page 2

Item ID:

Wednesday, August 31, 2011 3:08:34 PM D3278-2

Accept

Setup Start

Stop



Revision ID:

Start Date:

Item Name: Support

8/31/2011

Start Oty: 40.00

Reg'd Qty: 40.00

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Required Date: 9/16/2011

Process Plan:

Date: Tooling:

Date:

Tool#

Plan

Code

Accept

Qty

Run

Start



QC: Date:

SPC (Y/N):

Date:

Stop

Reject

Qty



Insp.

Stamp

Reject

Number

Sequence ID/ **Work Center ID**

130

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ **Run Hours**

11-09-30

140

HandFinish

Hand Finishing

Chemical Conversion Coat per OSI005 4.1

0.00

0.00

Memo

0.00

150

Powdercoat

Powder Coating

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

START TIME:

Memo

□OVEN TEMPERATURE:

□FINISH TIME:

W118439

Dart Aerospace Ltd

W/O:			V	VORK ORDER C	CHANGES			• .		
DATE	STEP	PROC	EDURE CH			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							,			
									•	
					· .					
Part No	:	PAR #:	Fault Ca	tegory:	NC	CR: Yes	No DO	A :	Date:	
				Disposition: QA: N/C Closed:						** · · · · · · · · · · · · · · · · · ·
NCR:		W	ORK OR	DER NON-CON	FORMANC	E (NCI	₹)			
DATE	STEP	Description of NC	Description of NC Corrective Action						Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng			Sign & Se		on C	Chief Eng	QC Inspector
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Page 3

Item ID:

D3278-2

Wednesday, August 31, 2011 3:08:34 PM

Accept

Setup Start

Stop

Revision ID:

Item Name: **Start Date:**

Support

QC:

8/31/2011

Start Qty: 40.00 Req'd Qty: 40.00

Date:

Cust Item ID:

Customer:

Reference:

Approvals:

Required Date: 9/16/2011

Process Plan:

Date:

Tooling: SPC (Y/N): Date:

Date:

Run

Start

Stop

Sequence ID/ Work Center ID

160

QC

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

HO be 11-10-6.

170

Packaging Packaging

Identify as per dwg & Stock Location

Memo

0.00

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Dart	Aer	osp	ace	Ltd
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W/O:			W	ORK ORDER CHANG	SES					
DATE							Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
		,					•			
				•						
			· · · · · · · · · · · · · · · · · · ·						·	
	<u> </u>									
Part No: PAR #:		•					1			
	R	esolution:							Date: _	
NCR:			WORK ORI	DER NON-CONFORM	ANCE (NCR)		. [-
DATE	STEP	Description of NC	Description of NC Corrective Action			· · · · · · · · · · · · · · · · · · ·			Approval Appro	
		Section A	Initial Chief Eng			Date	Secti	on C	Chief Eng	QC Inspector
				·						
								1		
1								l		

Picklist Print

Wednesday, August 31, 2011 3:08:32 PM

Work Order ID: 73413

Parent Item:

D3278-2

Parent Item Name: Support



Start Date: 8/31/2011

Required Date: 9/16/2011

Start Qty: 40.00

Required Qty: 40.00

Comments:

IPP: $\Box A \Box 04.04.19 \Box New issue \Box KJ/JLM \Box$

IPP

B 07.09.06

Rev C dwg EC Verified by: JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Primary Item Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6B1.000X02.00		Purchased	No		100	f	47.0890	0.2337	9.84			



6061-T6 Bar 1.00 x 2.00

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ı	Н	Ш	I	ł
•	•	•••		•

Location	Loc Qty	Loc Code	
MAT004	47.089		
112567	22.6		
116623	3.36		
118106	21.129		

M119007 × 9.84

ont 11/09/27

Dart	Aerospa	

W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
									,
Part No	:	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Disposition	:	QA: N/C C	losed:		Date: _	<u></u>
NCR:			WORK ORDE	R NON-CONFORMAN	ICE (NCI	₹)			
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description			cation	Approval	Approval
DATE STEP Description of NC Section A		i illiliai i						OC increaser	
	0.2.	Section A	Chief Eng	Chief Eng			ion C	Chief Eng	QC Inspector
		Section A		Chief Eng			ion C	Chief Eng	QC Inspector
		Section A		Chief Eng			lon C	Chief Eng	QC Inspector
·		Section A	Chief Eng				lon C	Chief Eng	QC Inspector
·		Section A	Chief Eng	Chief Eng				Chief Eng	QC Inspector
		Section A	Chief Eng					Chief Eng	QC Inspector
		Section A	Chief Eng					Chief Eng	QC Inspector
		Section A	Chief Eng					Chief Eng	QC Inspector
		Section A	Chief Eng					Chief Eng	QC Inspector

DART AEROSPACE LTD	Work Order:	734/3
Description: Support	Part Number:	D3278-2
Inspection Dwg: D3278 Rev: C		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.098	+0.005/-0.000	Ø. 098	_		Vern HI-	0/2
0.359	+/-0.005	.359			11 .	
0.609	+/-0.010	.610		4	16	
0.250	+/-0.010	,250	-		14	
1.480	+/-0.005	1.480			14	
R0.125	+/-0.010	R. 125	_		R-L	
0.119	+0.005/-0.004	120			¥	
2.439	+/-0.010	2.440			ار	
		,			. (
1.980	+/-0.010	1.980			1.6	
R0.13	+/-0.030	R.125			R.6	
Ø0.257	+0.005/-0.000	9.258			11	
R0.375	+/-0.010	R.375			R-6	
0.875	+/-0.010	875			н	
0.500	+/-0.010	"50 D			l _c	
R0.400	+/-0.010	R.400			R-6-	
R1.00	+/-0.030	R1.00			R-G	
1.720	+/-0.010	1.720			1.	
R0.125	+/-0.010	R.125			R-6	
0.125	+/-0.010	.121			, ,	

Measured by:	my	Audited by:	JL	Prototype Approval:	N/A
Date:	11/09/30	Date:	11-09-30	Date:	N/A

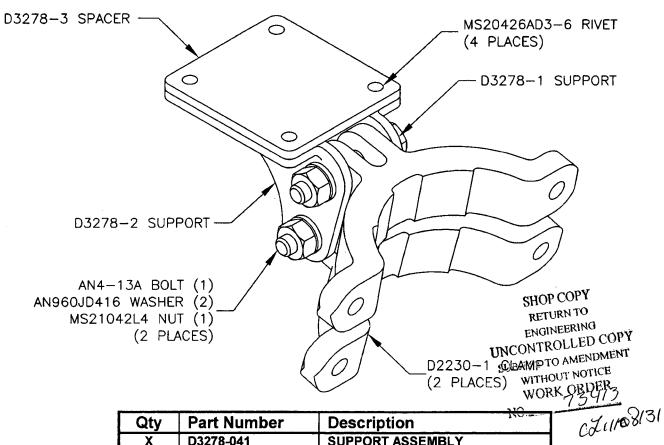
Rev	Date	Change	Revised by	Approved
Α	04.04.19	New Issue P/O D3278-041	KJ/JLM	
В	05.06.08	0.359 was 0.365; 0.119 was 0.125	KJ/JLM	
С	07.09.26	Dimensions updated per Dwg Rev. C	KJ/EC	E



DESIGN PL DRAWN BY		DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHEC	KED	APPROVED	DRAWING NO.	REV.	C
	4) #	D3278 SHEE	Г 1 OF	3
DATE			TITLE	SCAL	Ē
07.0	7.24		SUPPORT ASSEMBLY	N	rs
Α		04.03.03	NEW ISSUE		
В		05.03.31	CHANGE DIM/TOL TO ENSURE FIT		
ر (07 07 24	CHANGED RIVETS PER PAR #185	•	



D3278-041 SUPPORT ASSEMBLY



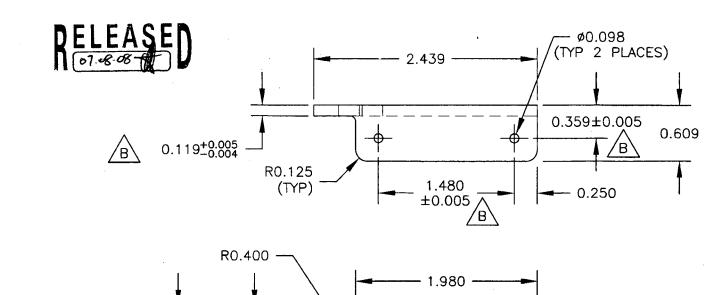
Qty Part Number X D3278-041		Description SUPPORT ASSEMBLY		
2	D2230-1	CLAMP		
1	D3278-1	SUPPORT		
1 D3278-2		SUPPORT		
1	D3278-3	SPACER		
2	AN4-13A	BOLT		
4 AN960JD416		WASHER		
4 MS20426AD3-6		RIVET		
2	MS21042L4	NUT		

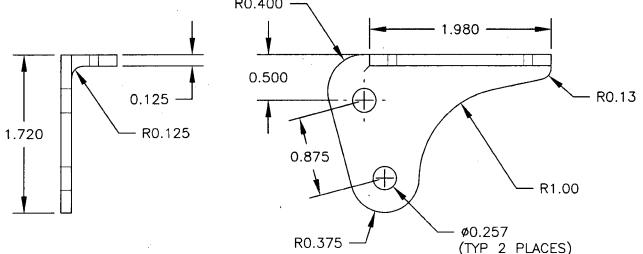
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DESIGN	DRAWN BY	1	RT AEROSP HAWKESBURY, ONTAR	
CHECKED	APPROVED	DRAWING NO.		REV. C
1 4º	-#	D3278		SHEET 2 OF 3
DATE	-1	TITLE		SCALE
07.07.24		SUPPORT A	ASSEMBLY	1:1





D3278-1 SUPPORT (SHOWN) D3278-2 SUPPORT (OPPOSITE)

- 1) MACHINE PER DWG FILE "D3278-1.SLDPRT"
- 2) MATERIAL: 6061-T6 (OR 6061-T651/T6510/T6511/T62) BAR

PER AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)

PER AMS-QQ-A-200/8 (OR AMS 4160)

(REF. DART SPEC. M6061T6B)

- 3) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

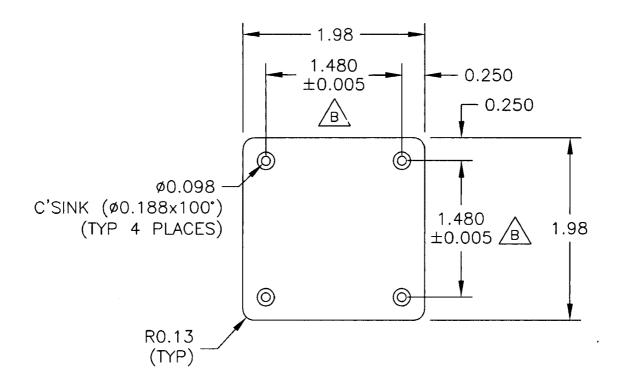
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DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO.	REV. C	
_#	-#	D3278	SHEET 3 OF 3	
DATE	ν	TITLE	SCALE	
07.07.24		SUPPORT ASSEMBLY	1:1	





D3278-3 SPACER

1) MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL

(REF. DART SPEC. M-DELRIN-B0.125x2.000) OR

DELRIN II 150E OR ACETRON GP ACETAL (REF. DART SPEC. M-DELRIN-S.125)

- 2) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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